CLAIMS

We claim:

1.   A system for managing energy consumption by equipment at a
site, the system comprising:

        a first database including a plurality of characteristics relating to a
                piece of energy consuming equipment located at the site;

        a second database including a plurality of service technicians; and

        a server including software for determining an expected energy
                consumption profile, based on the plurality of
                characteristics relating to the equipment and the site
                environment;

        wherein the server generates an alert, if an actual energy
                consumption exceeds the expected energy consumption.

2.   The system of claim 1 wherein the server further compares the
actual energy consumption to refrigerant loss data.

3.   The system of claim 1 wherein the server generates a work order
including the plurality of characteristics relating to the piece of energy consuming
equipment.

4.   The system of claim 1 wherein the server includes total cost
software for calculating a total cost of a selected piece of equipment, based on a
purchase cost, a repair cost, and an energy consumption cost.

5.   A network-based system for managing energy consumption by
equipment at a site, the system comprising:

        a first database including a plurality of characteristics relating to a
                piece of energy consuming equipment located at the site;

        a second database including a plurality of service technicians; and

a server including software for determining an expected energy consumption profile, based on the plurality of characteristics relating to the equipment and the site environment;

wherein the server generates a service request, if an actual energy consumption exceeds the expected energy consumption.

6.   A method of managing energy consumption by equipment located at a site, the method comprising:

collecting a set of information relating to a plurality of pieces of energy consuming equipment located at the site

calculating an expected energy usage profile for the site, based on the information;

collecting actual energy consumption data on a periodic basis;

comparing the actual energy consumption data to the expected energy usage profile; and

triggering an alarm when the actual energy consumption data exceeds the energy usage profile.